

Ahmed Hussien Mohamed Hussien

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PROFESSIONAL SUMMARY

I have led a team of volunteering engineers to make improvement projects, solve problems and develop some solutions for some Egyptian factories. Working with ZUFS team to design and manufacture a formula car in automotive team which designed a control system for the car and we managed to get the 4th place in London formula student competition, those activities gave me the advantage to quickly adapt with my mates and fulfill work perfectly and efficiently.

EDUCATION

Bachelor degree in Mechanical Engineering, Department of Mechanical Design and Production Engineering, Zagazig University, 2016.

Modules of study

- Machine Design, Finite Element Analysis, Power Control Systems, Elasticity and plasticity, Machine tool design, Die design, Measurements, Mold design, Computer Aided Design, Tribology, Metallurgy, Vibrations and Robotics.

WORK HISTORY

- Almosallamy Automatic Doors

Electrical Engineer | 10th of Ramadan | October 2016 – Present.

My role was an electrical engineer who is responsible for programming and maintenance of the control boards of the automated doors and other systems.

Achievements:

- Managed to design Arabic manuals for all the used control boards to be user-friendly for the technicians.
- Managed to fix around 50 control boards that were completely dead.
- Managed to design a 3-phase circuit for motors that we can use without control boards and circuits for the factory machines as a documentation.

- Zagazig University Racing Team (ZUFS)
Embedded Systems Engineer | Zagazig, Egypt | August 2015 – October 2016.

Achievements

- Achieved 4th place worldwide at the global competition "Formula Student "that was conducted in the "United Kingdom "from July 9th to 13th, 2014.
- Managed to design a full control system which controls fuel injection, crank speed and position.

- **Modern for rubber Weaves (Tatweer, Life Makers Foundation)**
Lean manufacturing engineer | 10th Ramadan city, Egypt | August 2015 – April 2016

Completed projects included:

- A complete edit at sorting and packing department to decrease the time of these processes, make the work area more comfortable to the workers and let them able to achieve the daily production in one shift.
- Edits in Dyeing department to control the transportation of the dyed products to sorting and packing department.

- **Rockal Insulators (Tatweer, Life Makers Foundation)**

Lean manufacturing engineer | Oubour City, Egypt | February 2015 – May 2015

Completed projects included:

- Editing appliances insulation department layout and cutting the desired dimensions more effectively.
- Editing the furnace main rotating plate (wool spinning machine) from steel to stainless steel.
- Editing the cutting process of the insulating wool to automatically instead of manual way.

Training Courses

- **Certified Lean Manufacturing Green belt**, Life Makers foundation, Egypt, 3 April 2015.
- **Robotics Design and Control**, IEEE Zagazig Branch, Egypt, 15 March 2014.
- **Electronics basics**, Self-Learning.
- **Classic Control theory**, Self-Learning.
- **C programming Language**, Self-Learning.
- **Python Programming**, University of Michigan, (PN7AZf46LQAZ-K59UH6GYSS7F).
- **Microcontroller interfacing and programming**, Self-Learning.

Internships

- **Modern for rubber Weaves**, Tatweer, Life Makers foundation, Egypt, April 2016.
- **Rockal Insulators**, Tatweer, Life Makers foundation, Egypt, May 2015.
- **The Arab Contractors**, July 2013 - August 2013.

Skills

- **Team work**.
- **Communication and interpersonal skills**.
- **Flexibility**.
- **Computer Skills: Microsoft Office, SolidWorks, Python and C Programming, Matlab and Microcontroller Programming**.
- **Language Skills: Arabic – Native. English – U. Intermediate.**

Personal Data

- **Date of Birth** : September 23, 1993
- **Nationality** : Egyptian
- **Military status** : Exempted